FIG. 1

<

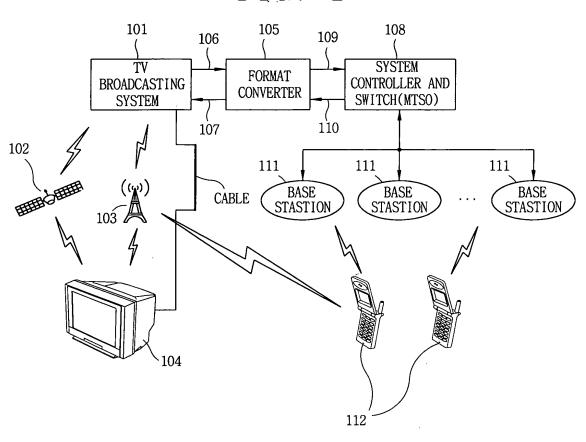


FIG. 2

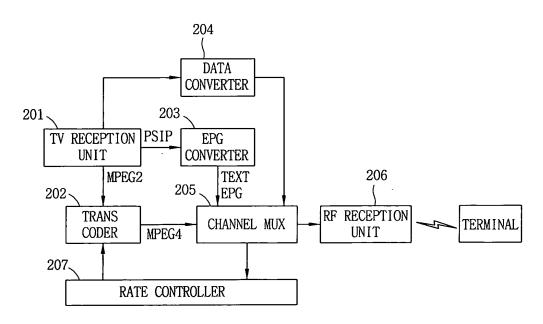


FIG. 3

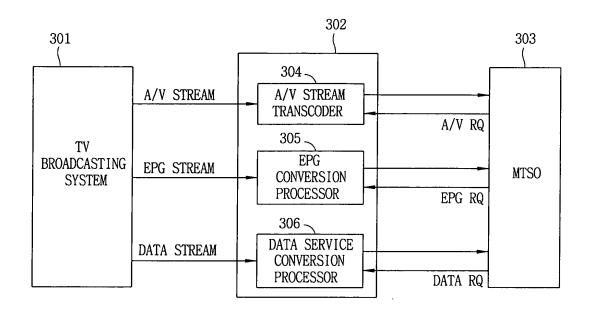


FIG. 4

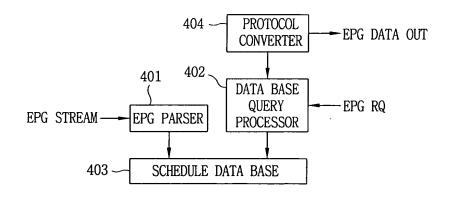


FIG. 5A RESOURCE INPUT DTV SIGNAL PROCESSING UNIT TUNER 502-508~ 507~ MEDIA STORAGE 502B~ 1502C~ 502A-DE MULTIPLEXER DEMODULATOR 506 MPEG DECODER MPEG TP DISK ARRAYS MPEG FILE I/O MPEG RECORDER FILTER FILE 501 TRANSCODER DATA DECODER MPEG4 BIT STREAM CONTROL DATA PROCESSING AND CONVERTING UNIT TRANSCODER AND TRANSMISSION UNIT 513 TRANSCODER CONTROL DECODER DECODER 509 RATE DATA \mathbb{F}_{G} 516 510 MEDIA SYNCHRONIZATION 504 514 PRESENTATION ENGINE SYNCHRONOUS CAROUSEL PIPE DATAGRAM 517. MOBILE COMMUNICATION NETWORK WIRELESS STREAMING 515 PROTOCOL CONVERSION DATA PROTOCOL WIRELESS 503

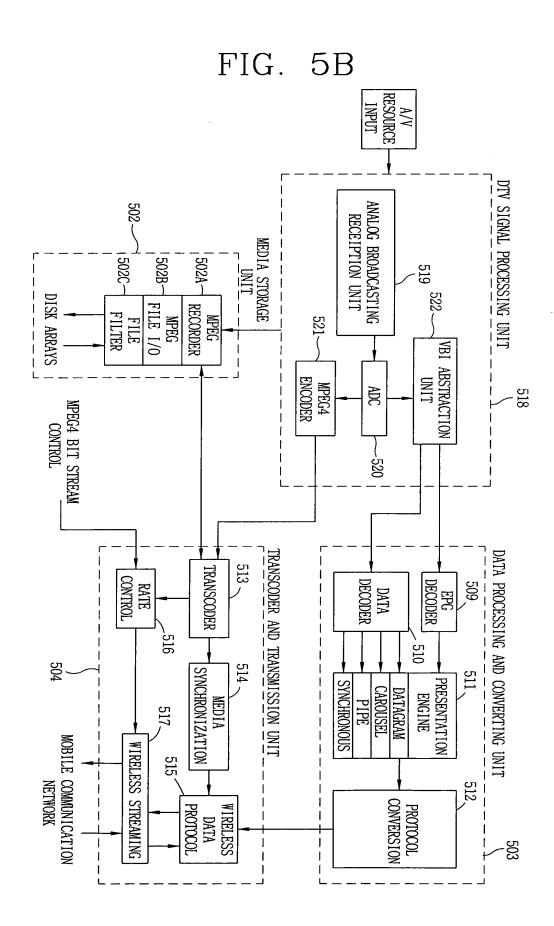


FIG. 6

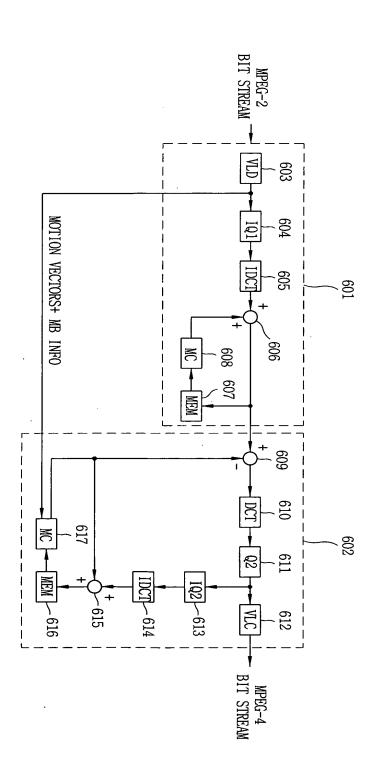


FIG. 7

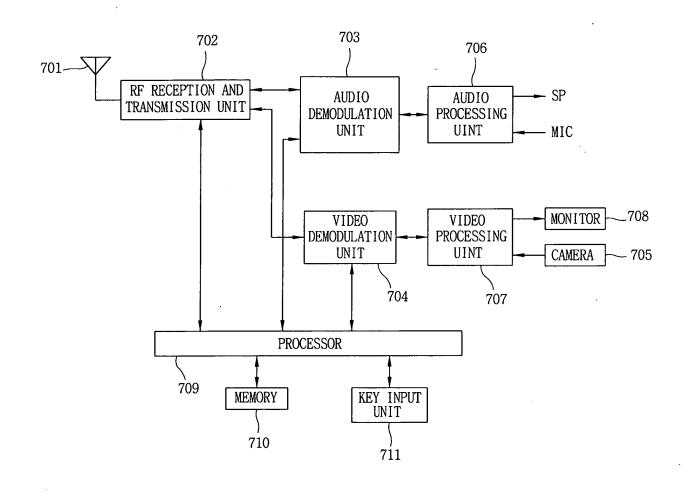


FIG. 8

